



NITFS Compliance Registration



Product: Synthetic Imagery Generation System (SIGS) Version 6.1

Sponsor: National Reconnaissance Office

Developer: Northrop Grumman

Date: 02 December 2004

Expiration: 01 December 2006

Registration #: 1022

- ☐ Initial Registration
☒ Supplemental/Update #
☐ Derived from Reg. #

☒ **System**
N-0105/98, §4.1.1

☐ **Product**
N-0105/98, §4.1.2

☐ **Component**
N-0105/98, §4.1.3

Complexity Level							
NITF 2.1 CLEVEL							
		3		5	6	7	
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Oth
Interpret							
Generate							

Configurations Tested:

- Sun Blade 1000 (Solaris 8)
- Pentium 4 (Windows XP)

NITFS Features Implemented:

Format

NITF

- ☒ v2.1
- ☒ v2.0
- ☐ v1.1

NSIF

- ☐ v1.0

Pixel Value Types

- ☐ Boolean
- ☒ Integer
- ☐ Signed Integer *
- ☐ IEEE Real *
- ☐ IEEE Complex *

Annotation Segment Types

- ☐ Bit Mapped **
- ☒ CGM, 2301
- ☐ CGM, 2301A
- ☐ Labels **

Text Segments

- ☐ STA
- ☐ UT1
- ☐ U8S
- ☐ MTF

Image Segment Types

- ☒ MONO
- ☐ RGB
- ☐ RGB/LUT
- ☐ YCbCr
- ☐ MULTI
- ☐ NODISPLAY
- ☐ POLAR

Image Compression

- ☒ Not Compressed
- ☒ JPEG Lossy, 8-bit
- ☐ JPEG Lossy, 12-bit
- ☐ JPEG Downsample
- ☐ JPEG Lossless
- ☐ JPEG 2000
- ☐ Bi-Level
- ☐ Vector Quantization
- ☐ Multispectral JPEG, Individual Band

Data Extension Segments

- ☐ TRE OVERFLOW
- ☐ STREAMING_FILE_HEADER
- ☐ Controlled Extensions **
- ☐ Registered Extensions **

Tagged Record Extensions

None

Legend
Interpret
Gen
☒ Fully implemented
☒ Partially implemented
☐ Not implemented

Registration does not guarantee that a product will meet all users' requirements. Potential users should evaluate the detailed test results to determine the suitability of a product for the intended use. Optional NITFS features may not be implemented.

EDWARD E. BOYLES II, Division Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-
Intelligence Agency for the NITFS Test and
Evaluation Program